





[illegible][illegible]

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 07 1141 AATATAATATATATA 1155  
 1b 1141 AATATAATATATATA 1155

## RESULT 4

US-09-995-297-15  
 1 Sequence: 15, Application: US/09995-297  
 2 Patent No.: US20020092038A1  
 3 GENERAL INFORMATION:  
 4 APPLICANT: Kodak, Pharma  
 5 APPLICANT: Farn, Zhongqun  
 6 APPLICANT: Dezanee, Jortin R.  
 7 TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED  
 8 FILE REFERENCE: 07148-072002  
 9 CURRENT FILING DATE: 2001-11-27  
 10 PRIOR APPLICATION NUMBER: US/09995-297  
 11 PRIOR FILING DATE: 1998-08-04  
 12 NUMBER OF SEQ ID NOS: 68  
 13 SOFTWARE: FastSeq for Windows Version 4.0  
 14 SEQ ID NO: 15  
 15 LENGTH: 1155  
 16 ORGANISM: Brassica napus  
 17 FEATURE:  
 18 NAME/KEY: CUS  
 19 LOCATION: (1)...(1152)  
 20 US-09-995-297-15

Query Match 98.4% Score 1146.4 DB 107 Length 1155  
 Best Local Similarity 99.0% Prod. No. 0  
 Matches 1145 Mismatches 0 Indels 0 Gaps 0

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 07 61 AATATAATATATATA 120  
 1b 61 AATATAATATATATA 120  
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 07 481 AATATAATATATATA 540  
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 07 661 AATATAATATATATA 720  
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 07 781 AATATAATATATATA 840  
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 07 841 AATATAATATATATA 900  
 1b 841 AATATAATATATATA 900  
 07 901 AATATAATATATATA 960  
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 07 961 AATATAATATATATA 1020  
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 07 1021 AATATAATATATATA 1080  
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 07 1081 AATATAATATATATA 1140  
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 07 1141 AATATAATATATATA 1155  
 1b 1141 AATATAATATATATA 1155

## RESULT 5

US-09-995-297-17  
 1 Sequence: 17, Application: US/09995-297  
 2 Patent No.: US20020092038A1  
 3 GENERAL INFORMATION:  
 4 APPLICANT: Kodak, Pharma  
 5 APPLICANT: Farn, Zhongqun  
 6 APPLICANT: Dezanee, Jortin R.  
 7 TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED  
 8 FILE REFERENCE: 07148-072002  
 9 CURRENT FILING DATE: 2001-11-27  
 10 PRIOR APPLICATION NUMBER: US/09995-297  
 11 PRIOR FILING DATE: 1998-08-04  
 12 NUMBER OF SEQ ID NOS: 68  
 13 SOFTWARE: FastSeq for Windows Version 4.0  
 14 SEQ ID NO: 17  
 15 LENGTH: 1155  
 16 ORGANISM: Brassica napus  
 17 FEATURE:  
 18 NAME/KEY: CUS  
 19 LOCATION: (1)...(1152)  
 20 US-09-995-297-17

Query Match 98.4% Score 1146.4 DB 107 Length 1155  
 Best Local Similarity 99.0% Prod. No. 0















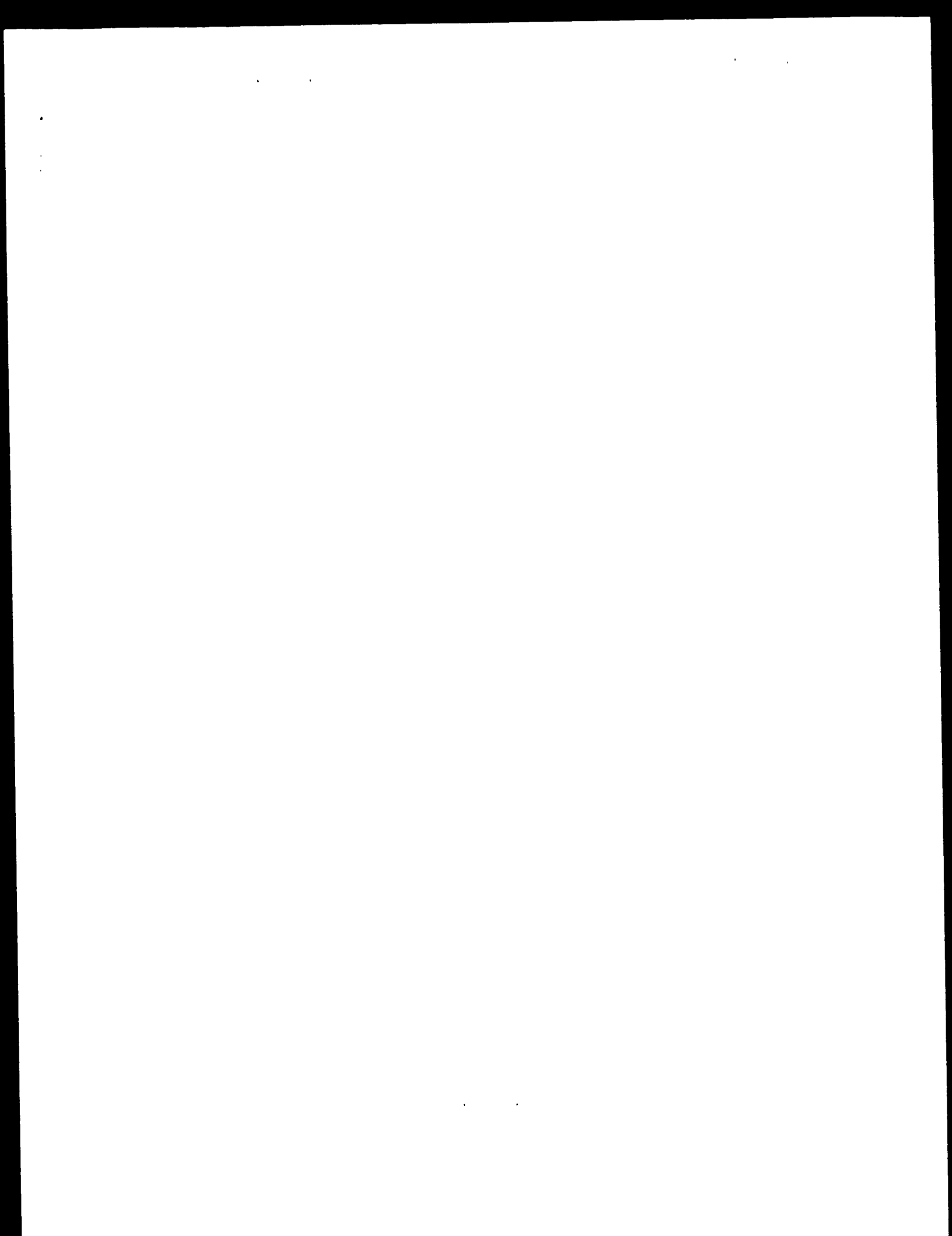






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DB 304 AACTTGTATATTGCTTTATGCCATGAAAGGAGCCAGCAGGCTTCAGAGCAAT 367  
UY 353 GATTTACAGCAATGCTGGCTGATCTTCACTGCTTCTGCTGCTGCTTACTTCTCT 406  
DB 368 GAGTAAAGCAGCAATGGTGGGTTGGTCTGAGCTGGCAATGATGATGATGATGATG 427  
UY 410 GGAAGTACAGTATCCAGCAATTCAGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCT 469  
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UY 470 TTCTCCCAAGAAAGTACAGCAATTCAGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCT 529  
DB 488 ATCCGCGCGGTACAAAGACCTGGCTGGTGGCAATGATGATGATGATGATGATGATG 547  
-UY 530 GATGTACCTGATGTTAAGGTTGACTGCTTCCGCTGGCTGGTGGTGGTGGTGGTGG 589  
DB 548 GTCGTTTCTCTCATGATTTTCGCGGCTTACGTTGCTGGCTGGCTGGCTGGCTGGCT 607  
UY 590 AACTTTCGGAATACCTTACAGCAGGCTTTCGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 649  
DB 608 AATG---GGAAGGCTGCTCTGAGAGCTGCTTTCGCTGGCTGGCTGGCTGGCTGGCTGG 664  
UY 660 TCTTACAGCAATGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 709  
DB 665 TCTTTCATGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 724  
UY 710 GCTACGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 769  
DB 725 ACTTTTCTCTTACAAATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 784  
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DB 785 GATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 844  
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UY 1130 TGTTCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1155  
DB 1145 TTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1170

Search completed: April 6, 2003, 22:35:40  
Job time : 106.5 secs











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FILE REFERENCE: 45,00  
 CURRENT FILING DATE: 2001-04-19  
 PRIOR APPLICATION NUMBER: US 60/106,124  
 PRIOR FILING DATE: 2000-04-19  
 NUMBER OF SEQ ID NOS: 45  
 SOFTWARE: patout in v01.2.0  
 SEQ ID NO: 4  
 LENGTH: 1411  
 TYPE: DNA  
 ORGANISM: *Geobacillus* sp.  
 FEATURES:  
 NAME/KEY: CDS  
 LOCATION: (79) .. (1233)  
 ORF: 837-791

Query Match 44.98% Score 518.4 DB 100 Length 1411

Best local similarity 68.88% Prod. No. 69-159  
 Matches 7272 Conserved 92 Mismatches 426 Indels 4 Gaps 12

62 TCAAGCGCTTAAGCTTGGAGAAAGCTGGCTTACCTGGTGAAGAACTCAAGAAAGCAATG 121  
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 137 TCAATGAGCTTGGAGAAAGCTGGCTTACCTGGTGAAGAAAGCAATG 196  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 122 TCAAGCGCTTAAAGCTTGAATGCTGGCTTCTTCTGAGCTGAGCTGGAGATGCA 181  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 197 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 256  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 182 TCAAGCGCTTAAAGCTTGAATGCTGGCTTCTTCTGAGCTGAGCTGGAGATGCA 241  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 257 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 316  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 242 TCAAGCGCTTAAAGCTTGAATGCTGGCTTCTTCTGAGCTGAGCTGGAGATGCA 301  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111  
 417 TCAAGCGCTTAAAGCTTGAATGCTGGCTTCTTCTGAGCTGAGCTGGAGATGCA 476  
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 602 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 561  
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 617 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 676  
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 662 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 721  
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 744 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 793  
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 722 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 781  
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 782 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 841  
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 804 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 913  
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 842 GATGAGAACTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 901  
 111 111 111 111 111 111 111 111 111 111 111 111 111 111

111 111 111 111 111 111 111 111 111 111 111 111 111 111  
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## RESULT 15

US-10-224-446-1  
 Sequence 1, Application US/1022446  
 Publication No. US2003024010A1  
 GENERAL INFORMATION:  
 APPLICANT: CARLSON, EDGAR H.  
 APPLICANT: CARLSON, THOMAS J.  
 APPLICANT: HITE, WILLIAM D.  
 APPLICANT: HITE, KEVIN G.  
 TITLE OF INVENTION: GENES FOR PLANT FATY ACID MODIFYING ENZYMES  
 TITLE OF INVENTION: ASSOCIATED  
 TITLE OF INVENTION: WITH CONDUCATED DOUBLE BOND FORMATION  
 FILE REFERENCE: BR-1249  
 CURRENT FILING DATE: 2002-08-20  
 PRIOR FILING DATE: 1999-08-16  
 PRIOR FILING DATE: 1999-08-16  
 PRIOR APPLICATION NUMBER: 60/097,186  
 PRIOR FILING DATE: August 20, 1998  
 PRIOR APPLICATION NUMBER: 60/142,756  
 PRIOR FILING DATE: July 8, 1999  
 NUMBER OF SEQ ID NOS: 34  
 SOFTWARE: MICROSOFT OFFICE 97  
 SEQ ID NO: 1  
 LENGTH: 1456  
 TYPE: DNA  
 ORGANISM: *Impatiens balsamina*  
 FEATURES:  
 NAME/KEY: CDS  
 LOCATION: (19) .. (1170)  
 US-10-224-446-1

Query Match 43.48% Score 501.6 DB 9 Length 1456  
 Best local similarity 65.88% Prod. No. 1-90-153  
 Matches 7302 Conserved 92 Mismatches 359 Indels 3 Gaps 12

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 404 AACGCGCTAAGCTTGGAGAAAGCTGGCTTACCTGGTGAAGAAAGCAATG 463  
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[illegible]

Search completed: April 6, 2003, 22:35:46  
Job time : 105.5 secs

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[illegible]

[illegible]

RESULT 5  
US-09-354-0312

Patent No. 6342658  
; GENERAL INFORMATION

APPLICANT: Ivanovski, Jolita R.  
APPLICANT: Shorlosh, Basil S.  
TITLE OF INVENTION: FATTY ACID CHAINLENGTHS AND METABOLIC SIGNIFICANCE  
FILE REFERENCE: 0148-065002  
CORRESPONDING ATTORNEY: MURPHY, W. W. 371, 227E

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1  PRIOR APPLICATION NUMBER: 02/08,274.03
2
3  PRIOR FILING DATE: 1997-06-12
4
5  NUMBER OF SEQ ID NOS: 69
6
7  SOFTWARE: FASTSEQ FOR Windows Version 4.0
8
9  SEQ ID NO: 1
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11  (continued)

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ORGANISM: *Brassica napus*  
FEATURE:

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; LOCATION: (1) .. (1152)
; OTHER INFORMATION: G 1
NAME/KEY: 1152 (1152)

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OTHER INFORMATION, b - 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 84

Query Match	99.6%	Score 1150.8	EW 4	Length 1155
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**Dp** 1 ATTGCTTCAGCTGTGAAGAATCCAAAGTGTCTCTCTCTCCTCGAAGAGAGTGCTTAACGGACACC 60  
2 ATTTCTTCAGCTGTGAAGAATCCAAAGTGTCTCTCTCTCCTCGAAGAGAGTGCTTAACGGACACC 60

61 ATCTACGGGGTACCGTGGAGAGACATGCGGCTTCACTTTCGAGAGATTCAGAGAAGCAATC 120

121 GCATTCACATGTTTCAGAACTTGAGTCCTGGCTCTTCTCTACCTATCTGGACAC 180  
 Db 61 ATTAAGGCGCTAACCTGCGAGACACCGGCTTACACTGTGAGGAACCTGAGAAAGCAAC 120

120 121 CCAATGGCACTGTTTCACAGCTGGCATTCCTGGCTCTTCTCTGTAAGTCATCTGGAGATC 180

241 GCTGCTACTTGGGCTGGGCTGTGATTCGGGGCTGGCAAGGTCAGTGTGTAAGCGAAGTGTG 400

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db 301 TGGTCTGATAGTCCACCAAGTGGGGGAGGATAGGCGCTTCAGAGGCTTATGCTAGTGGCTTTCATCCAG 451

1b 361 ACCGTCGGTTCATCTCCATCTCTTCCTCTGCTCTTCTCTGGAAGTACAGT 420

[illegible]

481 AACAGGCTAGGATATTAAGTGGCTAACGGGAGTACTTAACAACTTTTGGAGCCATCTTC 540

14. *SAATCHI & SAATCHI*, *THE ADVERTISING COMPANY* (1990) 140

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[illegible][illegible]

Dd 901 GAT TAC AGG AAT CTT GAA T AAAGT ATT CTA TGG AAC AGC GCG ATC CAT

U6 961 CCGTCTCCAGCATGTTATATACCTGGCAAGGAATTACTAAAGGCATTAAGAAGCATAA 102

07 1021 GTHGAGATATTATCATTCATCTGTGGTAAAGCGCCTTTTAAATGACAGTGAAAGCAAGCC 1068

[illegible]

98	1141	AACAAIAGGATGA	1155
Db	1081	AATCACTGTAICTAIGTCAATTCACAATCCAACTCATAAACAAAGGATGGTGTGTTCTGGATC	114

1141 AGTAACTTATCTA 1155

## RESULT 1

2 SCIENTIFIC AFFILIATION: 025/091260025  
2 Patent No. 6414228  
2 GENERAL INFORMATION:

APPLICANT: KODALI, Dhanu  
APPLICANT: Pan, Zheqiong  
APPLICANT: LeBeau, Lorin E.

FILE REFERENCE: 07148-072001

```

      SEQ ID NO 3
      LENGTH: 1155
      ...

```

ORGANISM: *Brassica napus*  
FEATURE:  
PREF: none

LOCATION: (1)...(152)  
OTHER INFORMATION: 4 to a transversion mutation at nucleotide 815  
NOTE: very minor features









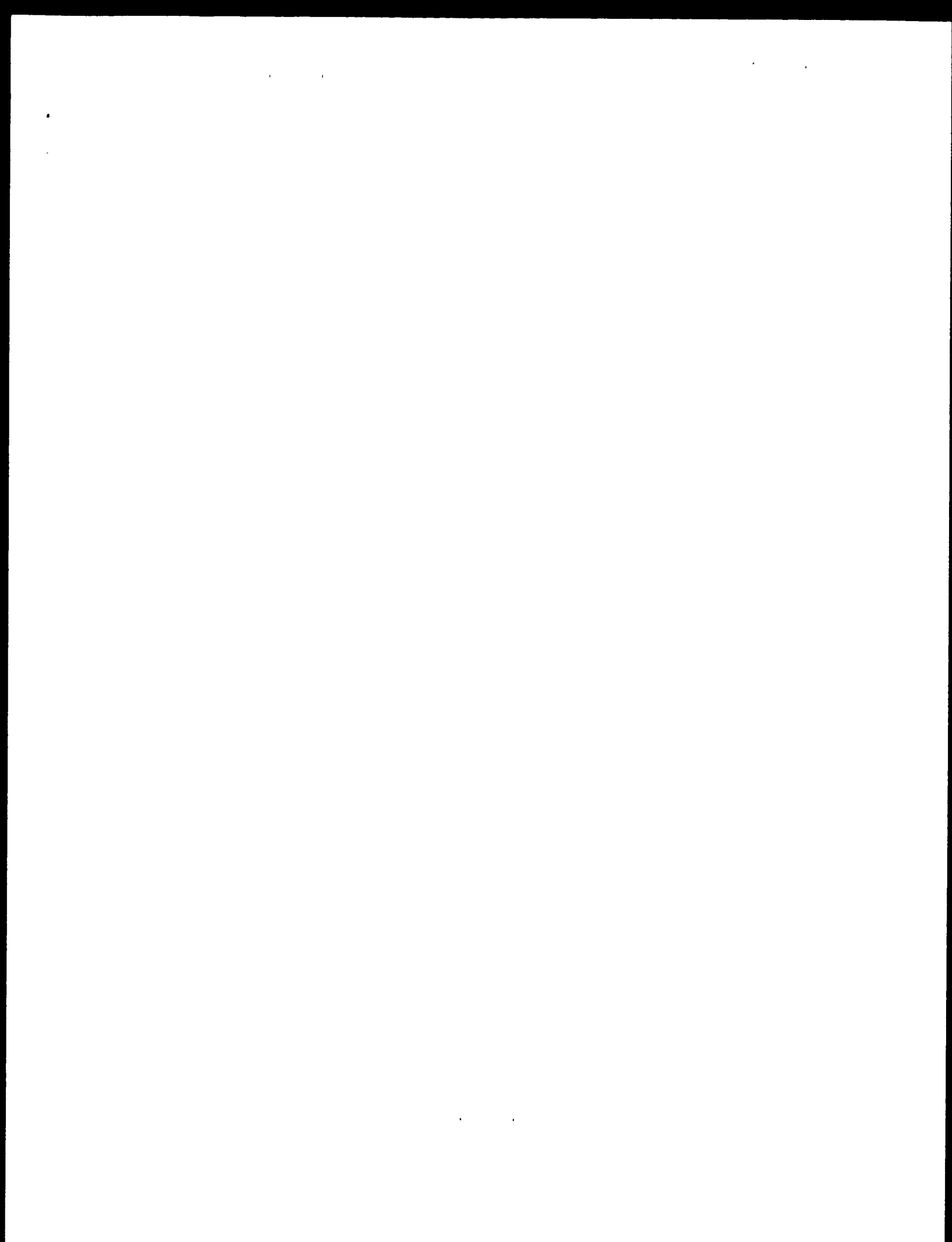


































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 121 GCAAGGACGCTTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 180  
 151 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 240  
 181 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 240  
 241 GCTGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 200  
 241 GCTGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 200  
 241 GCTGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 200  
 301 TGGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 360  
 301 TGGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 360  
 361 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 420  
 361 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 420  
 421 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 480  
 421 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 480  
 481 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 540  
 481 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 540  
 541 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 600  
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 601 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 660  
 601 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 660  
 661 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 720  
 661 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 720  
 721 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 780  
 721 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 780  
 781 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 840  
 781 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 840  
 841 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 900  
 841 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 900  
 901 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 960  
 901 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 960  
 961 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1020  
 961 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1020  
 1021 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1080  
 1021 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1080  
 1081 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1140  
 1081 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1140  
 1141 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1200  
 1141 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1200  
 1241 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1300  
 1241 ATCAAGGCTGCTGCTTCAAGGCTGATCCGCTGCTTCTGCTACCTATCTGGACATC 1300

## RESULT 11

US-09-966-888 1

Sequence 1: Application US/09-966888

GENERAL INFORMATION:

ATTORNEY: Davidson, L. et al.

TITLE OF INVENTION: HAVING ENHANCED ACID ENZYME

DEVELOPER: LINDHOLM ACID ENZYME

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESS: Fish & Richardson, P.C., P.A.

STREET: 40 South Sixth Street, Suite 800

CITY: Minneapolis

STATE: MN

COUNTRY: USA

ZIP: 55402

COMPUTER READABLE FORM:

RETRIEVAL TYPE: Epub disk

COMPUTER: IBM PC compatible

SOFTWARE: SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent in Release #1.0, Version #1.0

CONSTANT ADDRESS: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.

RETRIEVAL TYPE: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.

RETRIEVAL TYPE: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.

RETRIEVAL TYPE: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.

RETRIEVAL TYPE: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.

RETRIEVAL TYPE: 02/20/2001

RETRIEVAL TYPE: 02/20/2001

FILING DATE: 28-Sep-2001

APPLICATION NUMBER: 08/907,609

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:

NAME: Davidson, L. et al.





```

QY 781 GTGATTCGATCGTTCTCTGCTGCTGATCACTTACTTCGAGCAGCACTGATCTTCGCTG 840
DB 781 GTGATTCGATCGTTCTCTGCTGCTGATCACTTACTTCGAGCAGCACTGATCTTCGCTG 840
QY 841 CCGTCACTAGCATTCGTCGCACTGGATTCGTCAGCGAGCTTCGCTAGCGTTCAGAGA 900
DB 841 CCGTCACTAGCATTCGTCGCACTGGATTCGTCAGCGAGCTTCGCTAGCGTTCAGAGA 900
QY 901 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 960
DB 901 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 960
QY 961 CCGTTCGACGATCGCGCATATACAGCGCATGGAATATACCAAGCGCATTAAGCGGATA 1020
DB 961 CCGTTCGACGATCGCGCATATACAGCGCATGGAATATACCAAGCGCATTAAGCGGATA 1020
QY 1021 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 1080
DB 1021 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 1080
QY 1081 AAGTAGTATCTATGTCGAACCGGACAGCGAAGATGAGAAAGAGCTGCTTCTGGTAC 1140
DB 1081 AAGTAGTATCTATGTCGAACCGGACAGCGAAGATGAGAAAGAGCTGCTTCTGGTAC 1140
QY 1141 AATCAATAGCTATGA 1155
DB 1141 AATCAATAGCTATGA 1155

```

## RESULT 13

US-08-728-025A-5

US-08-728-025A-5

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GENERAL INFORMATION:
APPLICANT: B&W, GEORGEA
TITLE OF INVENTION: GENES FOR MUTANT MICROSOMAL
TITLE OF INVENTOR: PATTY ACIE DELIA 12
TITLE OF INVENTION: DESATURASES AND RELATED
TITLE OF INVENTION: ENZYMES FROM PLANTS
NUMBER OF SEQUENCES: 16
CORRESPONDING AGENCIES:
ADDRESS: E. T. DU PONT DE NEMOURS
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: U S A
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WINDOWS 4.1
SOFTWARE: MICROSOFT WORD 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 09/09,779,075A
FILING DATE:
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08,057,047
FILING DATE: NOVEMBER 17, 1992
ATTORNEY NAME: THE FARMER CO.
NAME: SINGELL, BARBARA C.
REGISTRATION NUMBER: 50,064
REFERENCE/DOCKET NUMBER: BR 1043-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (302)992-4941
TELEFAX: (302)774-0164
TELEX: 835420
INFORMATION FOR SEQ ID NO. 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDNESS: single
Topology: linear

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MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Brassica napus
FEATURES:
OTHER INFORMATION: Wild type F form.
US-08-728-025A-5
Query Match 99.8% Score 1162.4 DB 11 Length 1155
Best Local Similarity 99.8% Pred. No. 1.1e-266
Matches 1154 Conservative 0 Mismatches 21 Indels 0 Gaps 0

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QY 1 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 60
DB 1 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 60
QY 61 ATCAAGCGGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 120
DB 61 ATCAAGCGGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 120
QY 121 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 180
DB 121 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 180
QY 181 AATCAATAGCTATGA 240
DB 181 AATCAATAGCTATGA 240
QY 241 CCGTTCGACGATCGCGCATATACAGCGCATGGAATATACCAAGCGCATTAAGCGGATA 300
DB 241 CCGTTCGACGATCGCGCATATACAGCGCATGGAATATACCAAGCGCATTAAGCGGATA 300
QY 301 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 360
DB 301 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 360
QY 361 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 420
DB 361 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 420
QY 421 ATCAAGCGGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 480
DB 421 ATCAAGCGGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 480
QY 481 AATCAATAGCTATGA 540
DB 481 AATCAATAGCTATGA 540
QY 541 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 600
DB 541 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 600
QY 601 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 660
DB 601 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 660
QY 661 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 720
DB 661 AATGATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 720
QY 721 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 780
DB 721 CTGAGCAAGATATATAGTTCGATGAGAGCGCGCTGCTTAAGCGATTCGTCAGAGCGG 780
QY 781 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 840
DB 781 GATTAAGCAATCTTGAAATAGGCTTCGCAATATATTAAGCAAGCAAGCTGCGGCAATCAT 840
QY 841 AATCAATAGCTATGA 900
DB 841 AATCAATAGCTATGA 900

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[illegible][illegible]





[illegible][illegible]





APPLICATION NUMBER: US 09/064,277  
 FILING DATE: 22-APR-1998  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/064,277  
 FILING DATE: 14-DEC-1995  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/064,277  
 FILING DATE: 04-APR-1995  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/779,965  
 FILING DATE: 21-DEC-1993  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/734,965  
 FILING DATE: 05-AUG-1991  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/669,647  
 FILING DATE: 30-AUG-1990  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Filbert, Mark S.  
 REGISTRATION NUMBER: 34,812  
 REFERENCE NUMBER: A21 674,110  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 612-977-7000  
 TELEFAX: 612/288-9696  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1155 base pairs  
 TYPE: nucleic acid  
 STRAIN/GENES: strain  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA  
 HYPOTHEICAL: NO  
 ANTI SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Brassica napus  
 FEATURE:  
 OTHER INFORMATION: Wild type isolate.  
 US-09-064-277-5

Query Match 100.0% Score 1155; DB 14; Length 1155;  
 Base 1 each similarity 100.0%, Total Mismatches 0; Indels 0; Gaps 0;

Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 60  
 DB 1 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 60  
 QY 61 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 120  
 DB 61 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 120  
 QY 121 CTAAGGCACTGTTTCAACGCTGATGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 180  
 DB 121 CTAAGGCACTGTTTCAACGCTGATGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 180  
 QY 181 ATCAAGGCTCTGCTTCACTAGTGGAGGAGGAGTACTTCTCTCTCTCTCTCTCTCTCT 240  
 DB 181 ATCAAGGCTCTGCTTCACTAGTGGAGGAGGAGTACTTCTCTCTCTCTCTCTCTCTCT 240  
 QY 241 CTTCTTACTTCT 300  
 DB 241 CTTCTTACTTCT 300  
 QY 301 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360  
 DB 301 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360  
 QY 361 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420

QY 421 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 480  
 DB 421 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 480  
 QY 481 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 540  
 DB 481 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 540  
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 DB 541 CTAAGGCACTGTTTCAACGCTGATGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 600  
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 DB 601 ATCAAGGCTCTGCTTCACTAGTGGAGGAGGAGTACTTCTCTCTCTCTCTCTCTCTCT 660  
 QY 661 CTTCTTACTTCT 720  
 DB 661 CTTCTTACTTCT 720  
 QY 721 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780  
 DB 721 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780  
 QY 781 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840  
 DB 781 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840  
 QY 841 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 900  
 DB 841 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 900  
 QY 901 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 960  
 DB 901 ATCAAGCGGTACCTGGAGACACGAGCTTCACTGTGGAGACTCAAGAAACATATG 960  
 QY 961 CTAAGGCACTGTTTCAACGCTGATGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 1020  
 DB 961 CTAAGGCACTGTTTCAACGCTGATGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 1020  
 QY 1021 ATCAAGGCTCTGCTTCACTAGTGGAGGAGGAGTACTTCTCTCTCTCTCTCTCTCTCT 1080  
 DB 1021 ATCAAGGCTCTGCTTCACTAGTGGAGGAGGAGTACTTCTCTCTCTCTCTCTCTCTCT 1080  
 QY 1081 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140  
 DB 1081 TGGATATAGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140  
 QY 1141 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 1200  
 DB 1141 AATGGTGGAGGTGGAGGATGTAAGTCTCTCTCCCTCAAAAAGTCTGAAAGGATGAG 1200

RESULT 5  
 US-09-064-277A 5  
 SEQUENCE 5, Application US/09064277A  
 GENERAL INFORMATION:  
 APPLICANT: Inhibitor, Inc.  
 APPLICANT: Inhibitor, Inc.  
 TITLE OR INVENTION: INHIBITOR OF HUMAN HEPATOCYTE CARCINOMA CELL PROLIFERATION  
 FILING DATE: 07/14/02  
 CURRENT FILING DATE: 07/14/02  
 PRIOR FILING DATE: 07/14/02  
 PRIOR FILING DATE: 07/14/02  
 PRIOR FILING DATE: 07/14/02  
 PRIOR FILING DATE: 07/14/02





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UY 421 CATTGACGGGACCATTCAGACATTCAGCGCTGGAGACAGACAGAGTTTGTGGCAAG 480
DB 421 CATTGACGGGACCATTCAGACATTCAGCGCTGGAGACAGACAGAGTTTGTGGCAAG 480
UY 481 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 540
DB 481 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 540
UY 541 AGCTTAAAGGCTGAGTAAATCTGAGAGTAAATCTGAGAGTAAATCTGAGAGTAAATCTGAGAG 600
DB 541 AGCTTAAAGGCTGAGTAAATCTGAGAGTAAATCTGAGAGTAAATCTGAGAGTAAATCTGAGAG 600
UY 601 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 660
DB 601 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 660
UY 661 CAGGACGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 720
DB 661 CAGGACGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 720
UY 721 TAACTGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 780
DB 721 TAACTGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 780
UY 781 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 840
DB 781 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 840
UY 841 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 900
DB 841 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 900
UY 901 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 960
DB 901 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 960
UY 961 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1020
DB 961 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1020
UY 1021 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1080
DB 1021 CTTAATGCTGATGAGAGTAAATCTGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1080
UY 1081 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1140
DB 1081 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1140
UY 1141 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1200
DB 1141 AATCAATCTAAATATCAAGCTGATGAGAGTAAATCAATCTAAATCAATCTGAGAGAGCTG 1200

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# US-09-995-297-5

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1 Sequence: 5, Application: US-09-995-297
2 GENERAL INFORMATION:
3 APPLICANT: Kodak, Pharma
4 APPLICANT: Kodak, Pharma
5 APPLICANT: Kodak, Pharma
6 TITLE OF INVENTION: PLANTS, SEEDS AND OTHER ENVIRONMENTAL ELLEVATED TOTAL PRODUCTIONS
7 TITLE REFERENCE: 0148 02482
8 CURRENT APPLICATION NUMBER: 09/995-297
9 PRIOR APPLICATION NUMBERS: 09/129, 692
10 PRIOR FILING DATE: 1998 08 04
11 NUMBER OF SEQ ID NOS: 68
12 SEQ ID NO 5
13 LENGTH: 1155
14 TYPE: DNA

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1 ORGANISM: Brassica napus
2 FEATURE:
3 NAME/KEY: CDS
4 LOCATION: (1) .. (1152)
5 OTHER INFORMATION: With type Pad2
6 US-09-995-297-5
7
8 QUOTE MATCH: 100.0% Score: 1155; DB: 37; Length: 1155;
9 Best Local Similarity: 100.0%; Prot. No. 50-255;
10 Matches: 1155; Exact: 100.0%; Mismatches: 0; Gaps: 0
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Mon Apr 7 10:23:58 2003

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Page 16

[illegible]

Submitted: April 6, 2003, 22:17:44  
 Job time: 2002 Nov 5











Matches	1150	Conservative	02	Mismatches	52	Indels	02	Gaps	02
QY	1	ATGGCTGCAAGGTGGAAAGAAATGCAATGTGCTGTCTGCTGCAAAAAGCTGGAAACCGCAAC	60						
Db	1	ATGGATGCAAGGTGGAAAGAAATGCAATGTGCTGTCTGCTGCAAAAAGCTGGAAACCGCAAC	60						
QY	61	ATCAAGGCGGTAAGCCCTGGGAGACACAGCGCGCTTCACTGTGGGAGAAATTCACAAAGTAATG	120						
Db	61	ATCAAGGCGGTAAGCCCTGGGAGACACAGCGCGCTTCACTGTGGGAGAAATTCACAAAGTAATG	120						
QY	121	CGACGCACTGTGTTTAAACCGTGGAGAGAGCTGGAGCTTTCTGTGTACATCATCGCAAGATAC	180						
Db	121	CGACGCACTGTGTTTAAACCGTGGAGAGAGCTGGAGCTTTCTGTGTACATCATCGCAAGATAC	180						
QY	181	ATCAATAGCTCTCTGTCTTCTACAAAGAGAGAAAGCAATCACTTCACTGTCACTGCTCAAGCT	240						
Db	181	ATCAATAGCTCTCTGTCTTCTACAAAGAGAGAAAGCAATCACTTCACTGTCACTGCTCAAGCT	240						
QY	241	CTCTGCTACTGTGGGCTGGGCTGTCTACAGGGCTGGTGAAGGGTGGTGTAAAGCGCGCTG	300						
Db	241	CTCTGCTACTGTGGGCTGGGCTGTCTACAGGGCTGGTGAAGGGTGGTGTAAAGCGCGCTG	300						
QY	361	TGATATATATCTTATAGAAATGGGAGAAATAGGCTTCAATCAATATATGATGGTGGAGAG	360						
Db	361	TGATATATATCTTATAGAAATGGGAGAAATAGGCTTCAATCAATATATGATGGTGGAGAG	360						
QY	421	CATGACGCGTACATCTTCCTGACCTGCTGCTGCTGCTTACTTCTCTGGAAGTACACT	420						
Db	421	CATGACGCGTACATCTTCCTGACCTGCTGCTGCTGCTTACTTCTCTGGAAGTACACT	420						
QY	481	AAGAAATTAAGATATTAATGGTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	540						
Db	481	AAGAAATTAAGATATTAATGGTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	540						
QY	541	ATGTTAAGGTTGACATCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	600						
Db	541	ATGTTAAGGTTGACATCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	600						
QY	661	AGAAATTAAG	660						
Db	661	AGAAATTAAG	660						
QY	721	TACGCTTAAGCTTATGTGTAAGCAATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780						
Db	721	TACGCTTAAGCTTATGTGTAAGCAATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780						
QY	841	CTGATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT	840						
Db	841	CTGATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT	840						
QY	901	GACATGAGAAATCTTAAACAAAGGTCTTCTGACAAATATACAGGACAGGAGCTGGCGATAC	960						
Db	901	GACATGAGAAATCTTAAACAAAGGTCTTCTGACAAATATACAGGACAGGAGCTGGCGATAC	960						
QY	961	CTGCTTGTGACCATGCTGAT	1020						
Db	961	CTGCTTGTGACCATGCTGAT	1020						
QY	1021	CTGCTTGTGACCATGCTGAT	1080						
Db	1021	CTGCTTGTGACCATGCTGAT	1080						

[illegible]

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000002 US-09-771-900A-11
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000006 GENERAL INFORMATION:
000007
000008 APPLICANT: Debedotto, Larin R.
000009
000010 APPLICANT: Pan, Zhongqiang
000011
000012 APPLICANT: Miao, Guo-Hua
000013
000014 TITLE OF INVENTION: FATTY ACID DISACCHARIDES AND RELATED SEQUENCES THEREOF
000015
000016 FILE REFERENCE: 07148-063004
000017
000018 CURRENT APPLICATION NUMBER: 09/099,777, 900A
000019
000020 CURRENT FILING DATE: 2001-01-29
000021
000022 PRIOR APPLICATION NUMBER: US 08/874,109
000023
000024 PRIOR FILING DATE: 1997-06-12
000025
000026 NUMBER OF SEQ ID NOS: 70
000027
000028 SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
000029
000030 SEQ ID NO: 11
000031
000032 LENGTH: 1155
000033
000034 TYPE: DNA
000035
000036 ORGANISM: Brassica napus
000037
000038 FEATURE:
000039
000040 NAME/KEY: CDS
000041
000042 LOCATION: (1)...(1152)
000043
000044 US-09-771-900A-11

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1 PRIOR APPLICATION NUMBER: US 07/975,542  
 2 PRIOR FILING DATE: 1990-08-30  
 3 NUMBER OF SEQ ID NOS: 42  
 4 SOFTWARE: FastSeq for Windows Version 4.0  
 5 SEQ ID NO 3  
 6 LENGTH: 1155  
 7 TYPE: DNA  
 8 ORGANISM: Brassica napus  
 9 FEATURE:  
 10 NAME/KEY: CDS  
 11 LOCATION: (1)...(1152)  
 12 OTHER INFORMATION: Clone: IMC129, G to A transversion mutation at  
 13 OTHER INFORMATION: nucleotide 316 of the D form  
 14 FEATURE:  
 15 NAME/KEY: misc\_feature  
 16 LOCATION: 205  
 17 OTHER INFORMATION: n = A,T,G or G  
 18 US-09-064-277A-3

Query Match 94.2% Score 1088.4 DB 5 Length 1155  
 Best Local Similarity 96.4% Prod No 1 to 264  
 Matches 1113 Conservative 0 Mismatches 42 Indels 0 Gaps 0

QY 1 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 60  
 DB 1 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 60  
 QY 61 ATCAAGCGGTACGCTGGAGACAGTGGCTTCACTGTCGAGAACTGACAAAGTAAAT 120  
 DB 61 ATCAAGCGGTACGCTGGAGACAGTGGCTTCACTGTCGAGAACTGACAAAGTAAAT 120  
 QY 121 CGACGGACCTGTCGAAGCTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180  
 DB 121 CGACGGACCTGTCGAAGCTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180  
 QY 181 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 240  
 DB 181 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 240  
 QY 241 CTCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300  
 DB 241 CTCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300  
 QY 301 TGGATTAAGCGGACAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360  
 DB 301 TGGATTAAGCGGACAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360  
 QY 361 ACGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420  
 DB 361 ACGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420  
 QY 421 CATGTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480  
 DB 421 CATGTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480  
 QY 481 AATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 540  
 DB 481 AATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 540  
 QY 541 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 600  
 DB 541 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 600  
 QY 601 AAGCTTACGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660  
 DB 601 AAGCTTACGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660  
 QY 661 CTGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 720  
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 QY 781 TACCGCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
 DB 781 TACCGCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
 QY 841 TACCGCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900  
 DB 841 TACCGCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900  
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# RESULT 14

US-09-771-904A 1

1 Sequence 1: Application US/09771904A  
 2 GENERAL INFORMATION:  
 3 APPLICANT: DeHoff, for In R.  
 4 APPLICANT: Farn, Zhongdong  
 5 APPLICANT: Miao, Qunhua  
 6 TITLE OF INVENTION: RATIONALLY DESIGNED AND MUTANT SUBSTITUTES THEREOF  
 7 CURRENT FILING DATE: 2001 01 29  
 8 PRIOR APPLICATION NUMBER: US 08/974,109  
 9 FILING DATE: 1997-09-12  
 10 NUMBER OF SEQ ID NOS: 70  
 11 SOFTWARE: FastSeq for Windows Version 4.0  
 12 SEQ ID NO 1  
 13 LENGTH: 1155  
 14 TYPE: DNA  
 15 ORGANISM: Brassica napus  
 16 FEATURE:  
 17 NAME/KEY: CDS  
 18 LOCATION: (1)...(1152)  
 19 OTHER INFORMATION: With type Eud2  
 20 FEATURE:  
 21 NAME/KEY: misc\_feature  
 22 LOCATION: 205  
 23 OTHER INFORMATION: n = A, G, C, or T, G  
 24 US-09-771-904A-1

Query Match 94.2% Score 1088.4 DB 5 Length 1155  
 Best Local Similarity 96.4% Prod No 1 to 264  
 Matches 1113 Conservative 0 Mismatches 42 Indels 0 Gaps 0

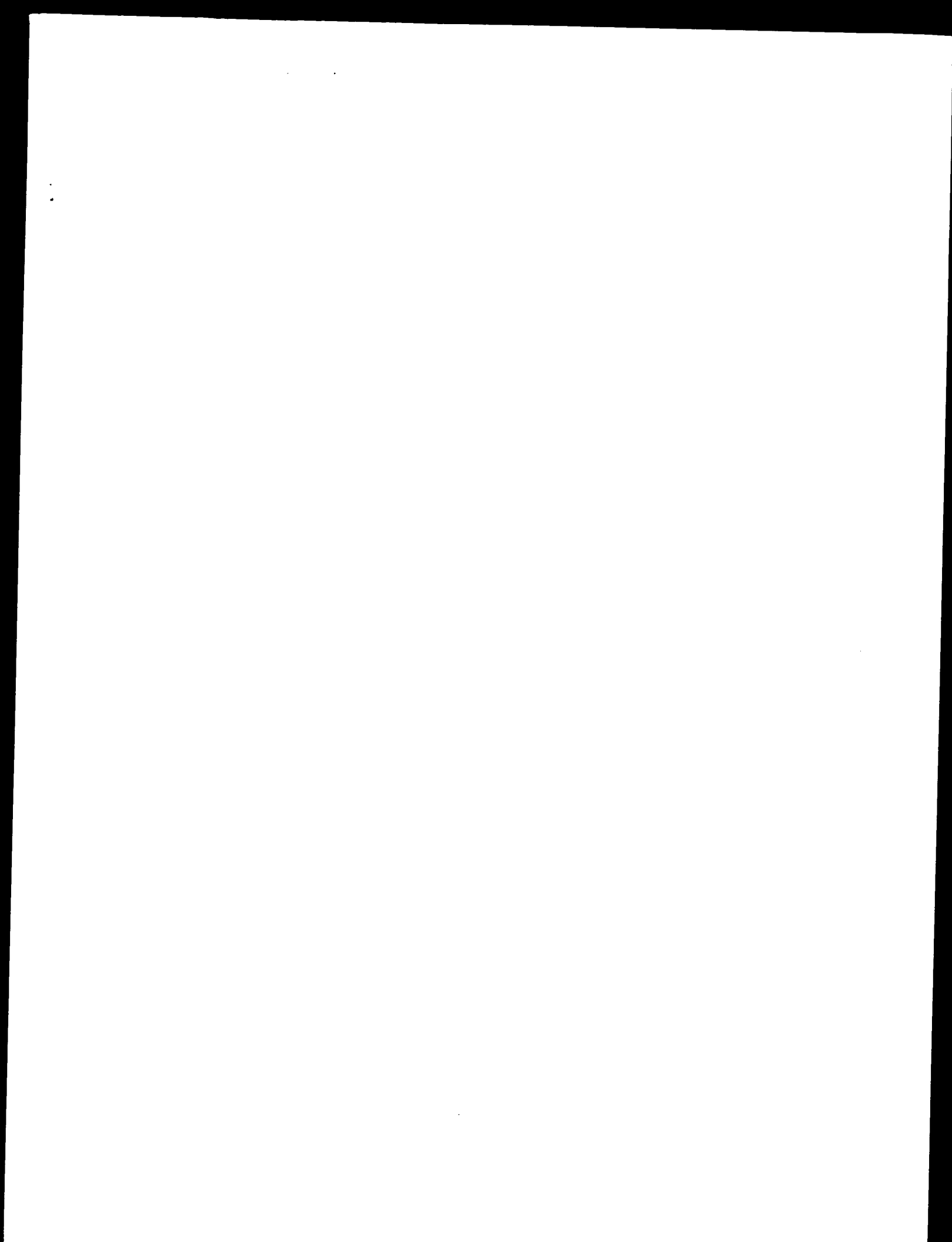
QY 1 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 60  
 DB 1 ATGATGTCAGCTGGAATGAAATGCAAGCTGCTGCTGCAAAAGTGGAAAGCGACAG 60  
 QY 61 ATCAAGCGGTACGCTGGAGACAGTGGCTTCACTGTCGAGAACTGACAAAGTAAAT 120  
 DB 61 ATCAAGCGGTACGCTGGAGACAGTGGCTTCACTGTCGAGAACTGACAAAGTAAAT 120  
 QY 121 CGACGGACCTGTCGAAGCTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180  
 DB 121 CGACGGACCTGTCGAAGCTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180





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db 661 AGACCTTACGAGCGGCGCTTCCGTTGGATTTCACGCGCAAGCTTCCTCATCTACACGAC 660
uy 661 CGGAGCGGTCTCGAGATATACATCTCGAGCGCTGGCATCTCGGCGGTCTGTACGGTCTG 720
|||||
db 661 CGGAGCGGTCTCGAGATATACATCTCGAGCGCTGGCATCTCGGCGGTCTGTACGGTCTG 720
uy 721 TACTGCTACGCTCTGTCTGCAAGGAGTTCCTCGATGGCTCTGCTTGTACGAGTTCGCTT 780
|||||
db 721 TTCCGTTACGCGCGCGCGAGGAGTGGCTCGATGGCTCTGCTTGTACGAGTTCGCTT 780
uy 781 GTGATTGGCAATGGTCTGTACTTTGATGACTTACTTGCACGACATGCTATCGTCTCTG 840
|||||
db 781 GTGATTGGCAATGGTCTGTACTTTGATGACTTACTTGCACGACATGCTATCGTCTCTG 840
uy 841 CCTCAGTATGACTGCTGTGAGTGGGATGGTGTGAGGAGATTTGGGCACTTGAACGA 900
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db 841 CTTCAGTATGACTGCTGTGAGTGGGATGGTGTGAGGAGATTTGGGCACTTGAACGA 900
uy 901 GACTACGGAATCTTCAACCAAGGCTCTTCCATATATCAGGACACGACGCTGGCGCATGAC 960
|||||
db 901 GACTACGGAATCTTCAACCAAGGCTCTTCCATATATCAGGACACGACGCTGGCGCATGAC 960
uy 961 GTGTTCGAGCAATGGCGCATTAICATGCGATGAGAACTACGAGCGGATTAACCGGATA 1020
|||||
db 961 CCTTCTCCGAGATCGCGCATTAATCATGCGATGAGAACTACGAGCGGATTAACCGGATA 1020
uy 1021 CTGCAAGCATTAATCATGCGATGAGAACTACGAGCGGATTAACCGGATGATGATGAGGAGG 1080
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db 1021 CTGCAAGCATTAATCATGCGATGAGAACTACGAGCGGATTAACCGGATGATGATGAGGAGG 1080
uy 1081 AAGCAGTATATTAIGGAGCGGATGAGGCAAGGTAGAAAGAAAGTGTCTTGTGTAC 1140
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db 1081 AAGCAGTATATTAIGGAGCGGATGAGGCAAGGTAGAAAGAAAGTGTCTTGTGTAC 1140
uy 1141 AACATATAGTTATGA 1155
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db 1141 AACATATAGTTATGA 1155
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Search completed: April 6, 2003, 22:31:59  
Job time : 425 secs























RESOL. 12  
US 09 064 277A ?  
? Sequence 1, Application US/09064277A

Cucery Mat'ch	94.18;	Sicoro 1086.8;	1087.5;	Lomdath 1155.2,
Bord Laval 1000.0	107.39	107.39	107.39	107.39

1  
1 ATGAGTGGACCTGTGCATCCAACTTCCTCCTCACTTTCTGAAAACTCTGAAAACCGAACAAAC 60

1141 AACAAATATATGA 1155



[illegible]

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1 111111111111
Db      1141 AACAAATATATAGA 1155

RESIDUE 15
US-09-771 904A-11
? Sequence 11, Application US/09771904A
? GENERAL INFORMATION:
?
? APPLICANT: bestobets, Martin R.
? APPLICANT: Fan, Zhongqiang
? APPLICANT: Miao, Guo-Hua
? TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
? FILE REFERENCE: 07148-064003
? CURRENT APPLICATION NUMBER: US 09/771 904A
? CURRENT FILING DATE: 2001-01-29
? PRIOR APPLICATION NUMBER: US 08/874,109
? PRIOR FILING DATE: 1997-06-12
? NUMBER OF SEQ ID NOS: 70
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 11
?
? LENGTH: 1155
?
? TYPE: DNA
?
? ORGANISM: Brassica napus
?
? FEATURE:
?
? NAME/KEY: CDS
?
? LOCATION: (1) ... (1152)
US-09-771-904A-11

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[illegible]

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Db 601 AAGACCTAGAGAGGAGCTTGGCTTGACATTCAGCGTAAGCGCTGCATATTAATGAG 660
QY 661 GCGACAGCGCTGCATATACATCTTGAGCGCTGAGCTGAGCTGCTGCTGAGGCTGCTG 720
|||
Db 661 GGTGAGGCTGCTGAGATATACATCTGAGAGGCTGAGCTGAGCTGAGCTGAGCTGCTG 720
QY 721 TTGCGTTAGCGCGCGGCTGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG 780
|||
Db 721 AACCGCTAGCGCTGAGCTGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG 780
QY 781 CTGATTTGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
|||
Db 781 CTGATTTGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
QY 841 CTTGCTAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
|||
Db 841 CTTGCTAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
QY 901 GACCTAGGAACTCTTGAGCAAGGCTCTGACATATTAAGCTGAGCTGAGCTGAGCTG 960
|||
Db 901 GACCTAGGAACTCTTGAGCAAGGCTCTGACATATTAAGCTGAGCTGAGCTGAGCTG 960
QY 961 CGCTTCTGAGCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
|||
Db 961 CTGCTTCTGAGCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
QY 1021 CTGCTTCTGAGCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
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Db 1021 CTGCTTCTGAGCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
QY 1081 AAGGAGTGTATGTATGTGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAG 1140
|||
Db 1081 AAGGAGTGTATGTATGTGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAGCGAG 1140
QY 1141 AACCAATAGTTATGA 1155
|||
Db 1141 AACCAATAGTTATGA 1155
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Search completed: April 6, 2003, 22:41:56  
Job time : 425 secs

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